

# MULTI-USER COMMAND AND CONTROL SYSTEM (MCCS)

## Kennedy Space Center (KSC)

### Sources Sought Synopsis

NNK15ZMS001L

The National Aeronautics and Space Administration (NASA) Kennedy Space Center (KSC) is seeking **capability statements** from all interested parties, including Small, Small Disadvantaged (SDB), 8(a), Woman-Owned (WOSB), Veteran Owned (VOSB), Service Disabled Veteran Owned (SD-VOSB), Historically Underutilized Business Zone (HUBZone) businesses, and Historically Black Colleges and Universities (HBCU)/Minority Institutions (MI) for the purposes of determining the appropriate level of competition and/or small business subcontracting goals for the **Multi-User Command and Control System Contract**. The Government reserves the right to consider a Small, 8(a), Service Disabled Veteran (SD-VOSB), or HUBZone business set-aside based on responses hereto.

This synopsis is used solely for information planning purposes and does not constitute a solicitation. In accordance with FAR 15.201(e), responses to this synopsis are not offers and cannot be accepted by the Government to form a binding contract. The Government is under no obligation to issue a solicitation or to award a contract. The information provided in responses will not be made public in an effort to protect any propriety company information. Nonetheless, respondents should clearly and properly mark any propriety or restricted data contained within its submission so it can be identified and protected. Respondents are solely responsible for all expenses associated with responding to this synopsis. Responses to this synopsis will not be returned, and respondents will not be notified of the result of the review.

Potential vendors should review a summary of the information is as follows:

NASA Kennedy Space Center is looking for a vendor to provide a turnkey Commercial Off the Shelf (COTS) software and hardware product which will meet the requirements associated with a Multi-User Command and Control System. The Multi-User Command and Control System must efficiently and effectively support multiple customers, programs (NASA and Commercial) and vehicles from the simple to the highly complex.

The Multi-User Command and Control System must support the following capabilities:

**1) Mission Definition (2) Telemetry Data Acquisition (3) Data Distribution, (4) Commanding (5) System Applications (6) Health Management (7) Remote Distribution (8) Time Management (9) Data Archive and Retrieval, and (10) End Item Simulation.**

The Multi-User Command and Control System must meet key operational concepts such as, but not limited to: **(1) Reliability, (2) Scalability, (3) Configurability, (4) Extensibility, (5) Usability, and (6) Operability.**

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Also, the Multi-User Command and Control System will need to provide a capability to interface with multiple systems such as, but not limited to: **KSC Communications; Kennedy Ground Control System; Spacecraft/ Payload; Launch Vehicle; Configuration Management; and Remote Sites.**

In addition to the Multi-User Command and Control System software and hardware, NASA KSC will be looking for the vendor to provide Engineering Services to:

- 1) Design / implement an interface from the Multi-User Command and Control System to the Kennedy Ground Control System which has an existing protocol in place**
- 2) Conduct a system design review with NASA KSC discipline experts to provide an independent verification of the system's design**
- 3) Procure, configure and test the vendors Multi-User Command and Control system solution at the vendor's facility prior to shipping**
- 4) Delivery and Install the Multi-User Command and Control System at NASA KSC**
- 5) Integrate the delivered Multi-User Command and Control System into the NASA KSC infrastructure**
- 6) Perform acceptance testing of the installed Multi-User Command and Control System at NASA KSC**
- 7) Support the installation and retest of sustaining releases at NASA KSC**
- 8) Implementation of NIST IT Security requirements**
- 9) Training of NASA KSC personnel in the end item definition, configuration, and operation of the Multi-User Command and Control system.**

The vendor should take into account the Vehicle/GSE/Mission domain unique Control Applications and Displays will be developed separately by NASA subject matter experts. Control Applications and Displays include software for integrated monitor, command and control of ground and flight equipment. In the support of the Control Applications, the Multi-User Command and Control System will need to provide **(1) an application and display development environment, and (2) application and display execution frameworks.**

NASA intends to conduct a COTS product demonstration as part of the proposal evaluation in any resulting solicitation. The vendor demonstrations will focus on the products implementation, capabilities, complexity, and performance characteristic.

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Responders to this synopsis are encouraged to comment on any or all of the foregoing and to express their interest for any proposed acquisition by submitting the following information:

- 1) Lead Times – Describe typical lead times required for software/hardware procurement, assembly, integration and testing.
- 2) The Vendor will specify any support, material, equipment, and/or permitting needed from NASA.
- 3) The Vendor should indicate any Requirements noted in this synopsis that cannot be met with their capabilities. Should also indicate what needs to be provided by NASA so they can meet those requirements.
- 4) The vendor should indicate if their product is considered a commercial or non-commercial item In Accordance With Federal Acquisition Regulation Part 2.

The North American Industry Classification System (NAICS) code for this procurement is 423430, Computer and Computer Peripheral Equipment and Software Merchant Wholesalers, with a size standard of 100 Employees.

The interested offerors/vendors having the specialized capabilities should submit a Capability Statement of 15 pages or less. The vendor will be required to submit documentation demonstrating their Company's core competencies (skill, knowledge, expertise, and vessels) and brief examples of past performance building similar equipment/software/hardware.

All responses shall be submitted to Christopher Zuber, no later than 4:00PM EST October 30, 2014. Please use reference number NNK15ZMS001L in any response. The response may be sent as one printed hardcopy or electronically as single Microsoft Word .doc and/or Microsoft EXCEL .xls file for each response. Any referenced notes may be viewed at the following URLs linked below.

In addition to whatever information the responder chooses to provide, each response shall include a cover sheet with the following information:

1. Sources Sought Synopsis Number and Title
2. Responding Organization (including address, POC and phone number)
3. A brief synopsis of the response in less than 20 words
4. Potential partnerships (industry, international, US government agencies)
5. Whether your company would be available for a site visit

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Additional information to be added as applies:

Responses must include the following: name and address of firm, size of business; average annual revenue for past 3 years and number of employees; ownership; whether they are large, or any category of small business\*, number of years in business; affiliate information: parent company, joint venture partners, potential teaming partners, prime contractor (if potential sub) or subcontractors (if potential prime); list of customers covering the past five years (highlight relevant work performed, contract numbers, contract type, dollar value of each procurement; and point of contact - address and phone number).

NASA Clause 1852.215-84, Ombudsman, is applicable. The Center Ombudsman for this acquisition can be found at [http://prod.nais.nasa.gov/pub/pub\\_library/Omb.html](http://prod.nais.nasa.gov/pub/pub_library/Omb.html).